# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 08/02/2021 09:17 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 06/17/2021 09:50 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

| | | | |
|---|---|---|---|
| Bead Product: | CST Setup Beads | Part #: | 910859 |
| Lot ID: | 12757 | Expiration Date: | 06/30/2022 |
| Bead Lot Information: | Available | | |

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 124367 | -1 | 1.18 | 124227 | 1.20 |
| Blue | F | SSC | 125000 | 123408 | -2 | 2.46 | 123712 | 2.36 |
| Blue | E | FITC | 13131 | 12740 | -3 | 2.18 | 295 | 14.97 |
| Blue | D | PE | 24112 | 23697 | -2 | 1.53 | 542 | 10.48 |
| Blue | B | PerCP-Cy5-5 | 31295 | 30790 | -2 | 2.87 | 1022 | 13.80 |
| Blue | A | PE-Cy7 | 19939 | 19794 | -1 | 5.09 | 529 | 27.43 |
| Red | C | APC | 42122 | 41496 | -2 | 2.94 | 1742 | 11.01 |
| Red | A | APC-Cy7 | 22340 | 21878 | -3 | 3.22 | 817 | 11.29 |
| Violet | B | V450 | 7410 | 7131 | -4 | 3.44 | 432 | 11.88 |
| Violet | A | V500 | 28118 | 26887 | -5 | 3.02 | 669 | 9.76 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 23041 | 0.89 | 559 | -10 | N/A | N/A | Pass |
| Blue | F | SSC | 57555 | 1.08 | 510 | -2 | N/A | N/A | Pass |
| Blue | E | FITC | 53 | 54.62 | 480 | -7 | 0.0476 | 158 | Pass |
| Blue | D | PE | 115 | 34.78 | 482 | -6 | 0.4055 | 239 | Pass |
| Blue | B | PerCP-Cy5-5 | 190 | 34.30 | 578 | -8 | 0.0223 | 79 | Pass |
| Blue | A | PE-Cy7 | 107 | 64.38 | 620 | -8 | 0.0251 | 4 | Pass |
| Red | C | APC | 402 | 23.36 | 576 | 0 | 0.0307 | 225 | Pass |
| Red | A | APC-Cy7 | 185 | 26.34 | 550 | -1 | 0.0068 | 991 | Pass |
| Violet | B | V450 | 61 | 60.31 | 455 | 2 | 0.0772 | 2698 | Pass |
| Violet | A | V500 | 97 | 33.48 | 466 | 1 | 0.0261 | 754 | Pass |

## Specifications

| | |
|---|---|
| PMTV Delta from baseline: | 50 (BD) |
| Violet Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Blue Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Red Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |

# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 08/02/2021 09:17 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 06/17/2021 09:50 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Guidelines (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.97 - 71.95 | N/A | N/A | -31.79 | -31.61 | 1.05 |
| Blue | 20.35 | 16.28 - 24.42 | 1.28 | 1.02 - 1.52 | 0.00 | 0.00 | 1.42 |
| Red | 16.04 | 13.60 - 20.40 | N/A | N/A | 30.06 | 30.16 | 1.22 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

## Threshold

Threshold (FSC): 15162

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments